

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A computer readable storage medium having a program for automating the life cycle of a grid node distributed computing software application, where the grid node distributed computing software application utilizes a plurality of computing resources distributed over a network, the program comprising ~~logic configured to perform the steps of:~~

creating a task list which describes how at least one stage in the life cycle of the grid node distributed computing software application is to be performed, wherein the task list includes at least one of packaging all files needed to execute the grid node application into a single file, and distributing the grid node application to at least one remote computing resource on the network; and

processing the task list by a process engine to perform at least one stage in the life cycle,

wherein the process engine is integrated with a development environment, where the development environment is used to develop the distributed computing software application.

2. (Original) The computer readable medium of claim 1, wherein the development environment is an integrated development environment.

3-4. (Cancelled)

5. (Original) The computer readable medium of claim 1, wherein the software application utilizes computing resources through service providers connected to the network.

6. (Original) The computer readable medium of claim 1, wherein the task list is stored in a text file.

7. (Currently Amended) The computer readable medium of claim 6, wherein the text file is an extensible markup language (XML) XML file.

8-9. (Cancelled)

10. (Original) The computer readable medium of claim 1, wherein the task list includes a third task, wherein the third task executes the software application on at least one remote computing resource.

11. (Original) The computer readable medium of claim 1, wherein the task list includes a fourth task, wherein the fourth task collects results from at least one remote computing resource.

12. (Original) The computer readable medium of claim 1, wherein the task list includes a fifth task, wherein the fifth task removes the software application from at least one remote computing resource.

13. (Currently Amended) A system for automating the life cycle of a software application, where the software application utilizes computing resources distributed over a network, the system comprising:

a task list editor configured to create a task list, where the task list describes how at least one step in the life cycle of the software application is to be executed, wherein the task list includes at least one of building the software application, packaging all files needed to run the software application into a single file, and distributing the software application to at least one remote computing resource, wherein the software application utilizing utilizes computing resources distributed over the network when executing; and

a process engine configured to operate ~~operating~~ on the task list to perform the at least one step in the life cycle.

14. (Original) The system of claim 13, further comprising:
a development environment for developing the software application, where the process engine is integrated with the development environment.
15. (Original) The system of claim 14, wherein the development environment is an integrated development environment.
16. (Cancelled)
17. (Original) The system of claim 13, wherein the software application utilizes computing resources through service providers connected to the network.
18. (Original) The system of claim 13, wherein the task list is stored in a text file.
19. (Currently Amended) The system of claim 18 wherein the text file is an extensible markup language (XML) ~~XML~~ file.
- 20-21. (Cancelled)
22. (Original) The system of claim 13, wherein the task list includes a third task, wherein the third task executes the software application on at least one remote computing resource.
23. (Original) The system of claim 13, wherein the task list includes a fourth task, wherein the fourth task collects results from at least one remote computing resource.
24. (Original) The system of claim 13, wherein the task list includes a fifth task, wherein the fifth task removes the software application from at least one remote computing resource.

25. (Currently Amended) A system for automating the life cycle of a software application, where the software application utilizes computing resources distributed over a network, the system comprising:

creating logic operable to create a task list which describes how at least one stage in the application life cycle is to be performed, wherein the task list includes at least one of building the software application, packaging all files needed to run the software application into a single file, and distributing the distributed computing software application to at least one remote computing resource; and

processing logic responsive to the creating logic, operable to process the task list to perform at least one stage in the application life cycle,

wherein the processing logic is integrated with a development environment, wherein the development environment is used to develop the software application, the software application utilizing computing resources distributed over the network when executing.

26. (Original) The system of claim 25, wherein the development environment is an integrated development environment.

27. (Cancelled)

28. (Original) The system of claim 25, wherein the software application utilizes computing resources through service providers connected to the network.

29. (Original) The system of claim 25, wherein the task list is stored in a text file.

30. (Currently Amended) The system of claim 29, wherein the text file is an extensible markup language (XML) XML file.

31. (New) The computer readable medium of claim 1, wherein the processing the task list further comprises:

verifying that a precondition associated with a task in the task list is satisfied before performing the task.

32. (New) The computer readable medium of claim 1, wherein the processing the task list further comprises:

verifying that a precondition is satisfied before performing the task, wherein the precondition is associated with a task in the task list and describes requirements of the system on which the distributed computing software application executes.

33. (New) The computer readable medium of claim 1, wherein the processing the task list further comprises:

obtaining a description of available resources for at least a portion of the plurality of computing resources; and

verifying that a precondition is satisfied before performing the task, wherein the precondition is associated with a task in the task list and describes the system requirements of the distributed computing software application.

34. (New) The system of claim 13, wherein the process engine is further configured to:

verify that a precondition associated with a task in the task list is satisfied before performing the task.

35. (New) The system of claim 13, wherein the process engine is further configured to:

verify that a precondition is satisfied before performing the task, wherein the precondition is associated with a task in the task list and describes requirements of the system on which the distributed computing software application executes.

36. (New) The system of claim 13, wherein the process engine is further configured to:

obtain a description of available resources for at least a portion of the plurality of computing resources; and

verify that a precondition is satisfied before performing the task, wherein the precondition is associated with a task in the task list and describes the system requirements of the distributed computing software application.

37. (New) The system of claim 25, wherein the processing logic is further configured to:

verify that a precondition associated with a task in the task list is satisfied before performing the task.

38. (New) The system of claim 25, wherein the processing logic is further configured to:

verify that a precondition is satisfied before performing the task, wherein the precondition is associated with a task in the task list and describes requirements of the system on which the distributed computing software application executes.

39. (New) The system of claim 25, wherein the processing logic is further configured to:

obtain a description of available resources for at least a portion of the plurality of computing resources; and

verify that a precondition is satisfied before performing the task, wherein the precondition is associated with a task in the task list and describes the system requirements of the distributed computing software application.